

System and Method of Fluid Transfer Using Devices with Rotatable Housings**Abstract**

Embodiments of the present invention are directed toward systems and methods of
5 transferring fluid using devices that have a rotatable housing. One embodiment of the
invention attaches a fluid-drive element to a rotatable housing to drive fluid into a conduit for
transfer. In another embodiment, a pitot tube is attached to the rotatable housing, the motion
of the housing driving fluid into the conduit for transfer. Other embodiments of the
invention may utilize a pressure difference to drive fluid through a conduit. Embodiments of
10 the invention may also utilize baffles to alter circulation of fluid that may be induced by the
motion of the rotating housing, to promote fluid transfer through a conduit. Some of the
aforementioned embodiments may be especially useful in transporting fluid in a liquid ring
pump with a rotatable housing.